



07-17-00

1775

PATENT APPLICATION  
Do. No. 1941-70

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Paul J. BRUINSMA, Suresh BASKARAN, Jagannadha R. BONTA and Jun LIU

Serial No. 09/481,988

Examiner: P. Marcantoni

Filed: January 11, 2000

Group Art Unit: 1755

For: MESOPOROUS-SILICA FILMS, FIBERS, AND POWDERS BY EVAPORATION

Date: July 13, 2000

Box FEE AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Responsive to the Office Action dated June 7, 2000, enclosed is an amendment in the above-identified application.

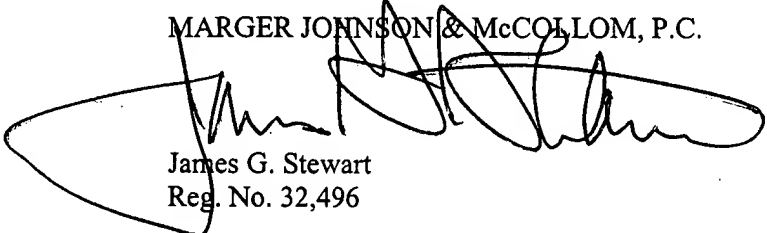
The fee has been calculated as shown below.

CLAIMS AS AMENDED					
For:	Number After Amendment	Previous Number	Extra	Rate	Additional Fee
Total Claims	71	-62	9	x \$ 9 =	\$81
Independent Claims	12	-11	1	x \$39 =	\$39
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$120

☒ A check for \$120.00 is enclosed.☒ Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.

Respectfully submitted,

MARGER JOHNSON &amp; McCOLLOM, P.C.

  
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JUL 21 2000  
TC 1700 MAIL ROOM

RESPONSE TO OFFICE ACTION

Responsive to the Office Action, dated June 7, 2000, please amend the application as follows.

IN THE CLAIMS

Please amend claims 30, 31, 38, 40, 49, 54, 55 and 56 as follows.

30. (Amended) A mesoporous silica product, comprising:  
a fiber having a diameter of at least 5 microns with mesopores therein,  
whereby the mesoporous silica product is formed by a process including [any one or  
more of the steps including] dry spinning[, ] or fiber drawing and rapid evaporation.

31. (Amended) A calcined mesoporous silica film on a substrate formed by a  
process comprising [any one or more of the steps including spin coating, dip coating and  
evaporation]:

dispensing a surfactant-containing precursor solution on the substrate;  
forming a film on the substrate by rapid evaporation of the precursor solution on the  
substrate; and  
heating the film on the substrate to a temperature sufficient to decompose the  
surfactant.

07/20/2000 AGOITOM 00000019 09481988

01 FC:202  
02 FC:203

39.00 OP  
81.00 OP